

Calculations tables for Hunter Days and hunter success in counties and hunt districts in or near the Monument by species and by residency. (*Figures are rounded off to the nearest dollar*)

All Deer (based on \$54.56/ Resident, \$152.36 Non Resident per hunter day)

Districts - # of hunters (Res. /N.R.)– Hunter days (R/NR) – Hunter Success

417 992 (800/192) 4148 (3508/640) 66%

Expenditures \$191,396 + \$97,510 = \$288,906

426 1490 (1220/270) 5717 (4768/949) 78%

\$260,142 + \$144,589 = \$404,731

471 969 (826/143) 3510 (3065/445) 74%

\$167,226 + \$67,800 = \$235,026

621 524 (420/104) 2589 (2089/500) 39%

\$113,975 + \$76,180 = \$190,155

680 798 (636/162) 3220 (2603/617) 68%

\$142,019 + \$94,006 = \$236,025

Total 4,773 deer hunters (3,902 res, 871 Non Res) spent 19,184 (16,033 + 3,151)

hunter/days with total estimated expenditures of \$1,354,846 (\$874,760 res + \$480,086 non-res)

Elk (based on \$70.40/resident, \$330.88/Non-res hunter days)

Districts - # hunters (Res. /N.R.)– Hunter days (R/NR) – Hunter success

417 499 (430/69) 2728 (2302/426) 39%

\$162,061 + \$140,955 = \$303,016

426 71 (65/7) 425 (376/48) 31%

\$26,470 + \$15,882 = \$42,352

471 17 (11/6) 62 (37/25)

\$2,605 + \$8,272 = \$10,877

621 627 (379/248) 4147 (2130/2017) 39%

\$149,952 + 667,385 = \$817,337

680 11 (7/4) 55 (38/17) 10%

\$2,675 + \$5,625 = \$8,300

Total 1,225 elk hunters (892 res, 334 Non-Res) spent 7,417 (4,883 + 2,533) hunter days

for total estimated expenditures of \$1,181,882 (\$343,763 res + \$838,119 non-res)

Antelope (based on \$51/res, \$191.84/non-res hunter days)

Districts - # hunters (Res/N.R.)– Hunter days (R/NR) – Hunter success

471 188 (177/11) 502 (473/29) 74%

\$24,123 + \$5,563 = \$29,686

473 175 (168/7) 500 (488/12) 68%

\$24,888 + \$2,302 = \$27,190

480 1512 (1315/198) 4101 (3451/649) 75%

\$176,001 + \$124,504 = \$300,505

690 1144 (1032/112) 3490 (3064/427) 72%

\$156,264 + \$81,916 = \$238,180

Total 3,019 antelope hunters (2,692 res, 328 non-res) spent 8,593 (7,476 + 1,117) hunter days for total estimated expenditures of \$595,561 (\$381,276 res + \$214,285 non-res)

Bighorn sheep (based on \$241/res, \$385/non-res hunter days)
 Districts - # hunters (Res/N.R.)— Hunter days (R/NR) – Hunter success
 482 14 (13/1) 81 (63/17) 100%
 \$15,183 + \$6,545 = \$21,728
 680 30 (27/3) 130 (112/18) 70%
 \$26,992 + \$6,930 = \$33,922

Total 44 Bighorn sheep hunters (40 res, 4 non-res) spent 211 hunter/days (175 + 35) for an estimated totally expenditure of \$55650 (\$42,175 res + \$13,475 non-res)

Total Upland Bird Hunting by County (based on \$55/res, \$325.78/non-res hunter days)

Districts - # hunters (Res. /N.R.)	Hunter days (R/NR)	
Chouteau 2142 (1644/532)	13995 (11056/3234)	
		\$608,080 + \$1,053,573 = \$1,661,653
Blaine 1217 (862/357)	10076 (7080/3004)	
		\$389,400 + \$978,643 = \$1,368,043
Hill 826 (735/127)	8004 (7701/790)	
		\$423,555 + \$257,662 = \$680,921
Phillips 1786 (1028/706)	14886 (7606/6631)	
		\$418,330 + \$2,160,247 = \$2,578,577
Fergus 2238 (1720/553)	14074 (11672/2826)	
		\$641,960 + \$920,654 = \$1,562,614
Judith Basin 756 (517/237)	5275 (4132/1245)	
		\$227,260 + \$405,596 = \$632,856

Total 9,721 bird hunters (7,023 res, 2,749 non-res) spent 66,310 (49,247 + 17,730) hunter days for an estimated total expenditure of \$8,484,664 (\$2,708,585 + \$5,776,079)

Angling Days on the Missouri River from Morony Dam to Fort Peck Lake just downstream from Fred Robinson Bridge. (based on \$39.25/res, \$205/non res angler days)

Morony to Marias - 6094 angler/days, (5677 res. X 39.25 = \$222,822), (417 X 205.00 + \$85,485.00) NR totals \$308,307
 Marias to Blaine Co. line - 7499 angler/days, (6657 res. X 39.25 = \$261,287), (842 NR X 205 = \$172,610) totals \$433,897
 Blaine Co Line to Ft Peck - 19657 angler/days, (17101 Res. X 39.25 = \$671,214), (2556 NR X 205 = \$523,980) totals \$1,195,194

Total 33,250 angler days (29,435 res + 3,815 non-res) produced estimated expenditures of \$1,937,398 (\$1,155,323 res + \$78, 2075 non-res)

Hunters and anglers are a Major Contribution to Local Economies

Economic opportunities come to communities in different ways and during different times of the year. Many small businesses across eastern Montana understand the importance of the hunter's dollar each fall. Those of us who hunt, fish, camp, watch wildlife, hike and generally enjoy spending our time outdoors realize that it's costly to do these things. The dollars recreationists spend are an important source of annual income to our communities in southeastern Montana and add to the local economy.

According to Rob Brooks, Coordinator for Montana Fish, Wildlife and Parks' Responsive Management Unit, hunters spend millions of dollars each year in support of their outdoor passions. FWP computes the average amount of money per day that residents and non-residents spent hunting in Montana. FWP Research and Technical Services Bureau produces a Harvest Survey that shows the hunter days that residents and non-residents devoted to hunting different species in each of the seven FWP regions.

The data for the 2003-hunting season for counties and hunting districts around the Upper Missouri Breaks Monument for upland game bird, antelope, deer, elk and Bighorn sheep indicate that hunters spent almost **\$12 million** in the fall of 2003. The amount of money anglers spent approach **\$2 million (\$1,937,398)** on the Missouri near and in the Monument. Keep in mind, the costs for licenses are not included in these expenditures.

In Monument area big game hunting districts, deer hunters expended the largest amount at **\$1,354,846**. Upland game bird hunters spent more yet, **\$8,484,664** in the counties surrounding the Monument. Antelope hunters spent **\$595,561**. The figures for Elk hunters **\$1,181,882** and Bighorn sheep hunters **\$55,650** is directly attributable to the Monument proper as a major proportion of their habitat is located only in the Breaks. The estimated expenditure of **\$1, 237,532** for elk and wild sheep is a bare minimum starting point for the economic impact related to hunting in the monument.

Fishing in the Missouri River from Morony Dam, upstream of the Monument area to Fort Peck, just downstream from the Monument's Wild and Scenic River added **\$1,937,398** to local economies.

The dollars hunters and anglers spend in local communities are an important source of income for many businesses across southeastern Montana. Non-hunting/angling wildlife related activities like bird/wildlife watching and floating are also economically important but those figures are not included in this analysis. Hunters arrive in the fall, after the summer tourist season is winding down. Many different businesses receive the benefits of the dollars spent. The expenditure these users make are vital for the local economy and provide a steady and consistent income source each fall.

A total of **18,782** hunters spent a total of **\$11,672,603**; an estimated gross expenditure for the area surrounding the Breaks Monument, which includes all deer/elk/antelope/ bighorn sheep hunt districts and upland bird hunting in all surrounding counties. Total hunter

numbers, and hunter day numbers were taken from tables located on the MT FWP website and expenditure formulas were provided by economist Rob Brooks at Montana Fish Wildlife and Parks.

- All Deer (based on \$54.56/ Resident, \$152.36 Non Resident per hunter day)
Total 4773 deer hunters (3902 res, 871 Non Res) spent 19,184 (16033 + 3151) hunter/days with total estimated expenditures of \$1,354,846 (\$874,760 res + \$480,086 non-res)

- Elk (based on \$70.40/resident, \$330.88/Non-res hunter days)
Total 1,225 elk hunters (892 res, 334 Non-Res) spent 7417 (4883 + 2533) hunter days for total estimated expenditures of \$1,181,882 (\$343,763 res + \$838,119 non-res)

- Antelope (based on \$51/res, \$191.84/non-res hunter days)
Total 3,019 antelope hunters (2692 res, 328 non-res) spent 8593 (7476 + 1117) hunter days for total estimated expenditures of \$595,561 (\$381,276 res + \$214,285 non-res)

- Bighorn sheep (based on \$241/res, \$385/non-res hunter days)
Total 44 Bighorn sheep hunters (40 res, 4 non-res) spent 211 hunter/days (175 + 35) for an estimated totally expenditure of \$55650 (\$42,175 res + \$13,475 non-res)

- Total Upland Bird Hunting by County (based on \$55/res, \$325.78/non-res hunter days)
Total 9721 bird hunters (7023 res, 2749 non-res) spent 66310 (49247 + 17730) hunter days for an estimated total expenditure of \$8,484,664 (\$2,708,585 + \$5,776,079)

- Angling Days on the Missouri River from Morony Dam to Fort Peck Lake just downstream from Fred Robinson Bridge. (based on \$39.25/res, \$205/non res angler days)
Total 33,250 angler days (29,435 res + 3,815 non-res) produced estimated expenditures of \$1,937,398 (\$1,155,323 res + \$78, 2075 non-res)